

ABSTRACT

paragraph29.

This disclosure is about a roof vent system that acts to limit the pressure difference that can occur across a roof due to the effects of high wind. Equations that relate the worst-case scenario pressure drops above a roof with the volume of the building are used to generate a specific venting area required for each structure. This venting area will act to limit the pressure difference that can occur across that roof to a set value. This represents a quantifiable solution using vents in a system to achieve the particular objective of pressure difference limitation. The disclosure describes the development of these equations and details the preferred vent design. Vents are cheap and easily installed as a retrofit into existing buildings making this quantified venting system the simplest, most certain, and most cost effective means of preventing roof loss in high wind events.

SEQUENCE LISTING

Not Applicable